

ABTP optimization

Update on Mediation Agreement

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Resolution 4 item 1

- City agrees to ongoing optimization of existing operations at ABTP
 - Table 17-2
 - 1.1.1 WAS cothickening
 - 1.1.2 Centrate
 - 1.1.3 Digester HRT
 - 1.1.4 Digester operation and technology

Table 17.2

- 4 new grit tanks and screens to be installed
 - Grit operation improved, new tanks not needed
 - Completed
 - New screens being installed under odour control project
- WAS cothickening / 1.1.1
 - Reduced from 190 t/d to 28 t/d at time of MA
 - 2000-2005 reduction in DAF capacity
 - 2006 Subnatant pipe inspection
 - 2007 pipe cleaning
 - 2008 predicted <10 t/d



Table 17.2

- Reduce Centrate load / 1.1.2
 - 4 new centrifuges installed
 - Centrate quality acceptable
 - completed
- Reduce sludge recycles / solids train audit
 - Audit conducted in 1998 –
 - Sludge recycle reduced from >70 d/t to zero
 - Primary tank pumping controls in place
 - completed
- Liquid train audit
 - Completed in 1993

Table 17.2

- Capacity and Nitrification testing
 - Originally planned as part of outfall project
 - Responding to future regulation
 - Need is still pending
 - Planning as part of odour control
- Fine bubble aeration
 - Planned for post 2007
 - Being implemented under odour control project
- WAS thickening upgrade
 - Planned for post 2007
 - Included in capital forecasts

1.1.3 and 1.1.4

- 1.1.3 increase digestion HRT
 - New digesters completed
 - Sludge recycles controlled
 - HRT > 15 days
- 1.1.4 Digester optimization
 - Refurbishing digesters 1-8
 - Improving digester mixing system
 - Funding digestion research